



Product Evaluation

WIN2213 | 0617

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2213

Effective Date: June 1, 2017

Re-evaluation Date: June 2021

Product Name: A-Series Fiberglass Clad Wood Casement Windows with Stormwatch Protection, Impact Resistant

Manufacturer: Andersen Windows and Doors
100 Fourth Avenue North
Bayport, MN 55003-1096
(651) 264-5308

General Description:

System	Description	Label Rating	Design Pressure Rating
1	A-Series Clad Casement Window w/ Stormwatch Protection/ACW3060 IG IR	LC-PG70 35.3 x 71.3 Missile Level D	+70/-70 psf
2	A-Series Clad Casement Window w/ Stormwatch Protection/ACW3060S IG IR	LC-PG70 35.3 x 71.3 Missile Level D	+70/-70 psf
3	A-Series Clad Casement Window w/ Stormwatch Protection/ACW4040 IG IR	LC-PG50 47.3 x 47.3 Missile Level D	+50/-50 psf
4	A-Series Clad Casement Window w/ Stormwatch Protection/ACW4040S IG IR	R-PG50 47.3 x 47.3 Missile Level D	+50/-50 psf
5	A-Series Clad Casement Window w/ Stormwatch Protection/ACW4068 IG IR	LC-PG50 47.3 x 79.3 Missile Level D	+50/-50 psf

Product Dimensions:

System	Overall Size	Sash Size	Glass Daylight Opening Size
1	35.25" x 71.25"	33.25" x 69.25"	28.62" x 64.75"
2	35.25" x 71.25"	33.25" x 69.25"	28.62" x 64.75"
3	47.25" x 47.25"	45.25" x 45.25"	40.56" x 39.81"
4	47.25" x 47.25"	45.25" x 45.25"	40.56" x 39.81"
5	47.25" x 79.25"	45.25" x 77.25"	40.56" x 71.81"

Product Identification (Certification Agency Label on Window):

System		
1- 5	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Andersen Corporation
	Product Name	A-Series Casement Window with Stormwatch Protection
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-13, ASTM E 1996-14 Missile Level D, Wind Zones 4

Impact Resistance:

System	Impact Resistant	Requirement
1- 5	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

Installation:

System		
1, 2	Type of Installation	Frame Installation
	Wall Framing	Wall framing must be minimum Southern Yellow Pine dimension lumber. 1-1/2" x 6-3/8" stainless steel installation clips are secured to the window frame with two No. 8 x 5/8" screws. The clips are secured to the wall framing with two No. 8 screws. Along the head and the sill, the clips are located at the mid span. Along the side jambs, the clips are located approximately 12" from each corner and one at the mid span.
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	Minimum 1-1/2" penetration into the wall framing

Installation (Continued):

System		
3, 4	Type of Installation	Nail Flange and Frame Installation
	Wall Framing	<p>Wall framing must be minimum Southern Yellow Pine dimension lumber. The nail flange is secured to the wall framing with minimum No. 6 screws. The fasteners are located approximately 4" from each corner and 6" on center along the perimeter. 1-1/2" x 6-3/8" stainless steel installation clips are secured to the window frame with two No. 8 x 5/8" screws. The clips are secured to the wall framing with two No. 8 screws. Along the head, sill, and each side jamb, the clips are located approximately 12" from each corner.</p>
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	Minimum 1-1/2" penetration into the wall framing
5	Type of Installation	Nail Flange and Frame Installation
	Wall Framing	<p>Wall framing must be minimum Southern Yellow Pine dimension lumber. The nail flange is secured to the wall framing with minimum No. 6 screws. The fasteners are located approximately 4" from each corner and 6" on center along the perimeter. 1-1/2" x 6-3/8" stainless steel installation clips are secured to the window frame with two No. 8 x 5/8" screws. The clips are secured to the wall framing with two No. 8 screws. Along the head and the sill, the clips are located approximately 12" from each corner. Along the side jambs, the clips are located approximately 12" from each corner and 30-7/16" and 48-13/16" up from the sill.</p>
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	Minimum 1-1/2" penetration into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.